IN THE SPECIFICATION

Please amend the Title of the Invention as follows:

~~INFORMATION PROCESSING~~ APPARATUS, ~~INFORMATION PROCESSING~~

METHOD, RECORDING MEDIUM, AND PROGRAM <u>FOR</u>

<u>CONTROLLING POWER OF WIRELESS COMMUNICATION</u>

Please insert the following on page 1 after the Title of the Invention:

<u>CROSS-REFERENCE TO RELATED APPLICATIONS</u>

<u>The present application is a national stage application under 35 U.S.C. § 371 of International Application No. PCT/JP2004/003325, filed March 12, 2004, which claims priority from Japanese Application No. P2003-084147, filed March 26, 2003, the disclosures of which are hereby incorporated by reference herein.</u>

<u>BACKGROUND OF THE INVENTION</u>

Please amend the paragraph at page 6, lines 9-23 as follows:

Upon normal receipt of the RTS frame from the terminal 1, the base station 3 transmits within the service area 11 a CTS frame including information about the busy time calculated to be in effect from the time the RTS frame is normally received from the terminal 1 until an ACK frame is sent out following the reception of data from the terminal 1 subsequent to the self-executed CTS transmission. On receiving the CTS frame, the ~~base station~~ terminal 2 recognizes the busy time for communication between the base station 3 and the terminal 1 and sets accordingly a data transmission-prohibited interval. After normally receiving the CTS frame, the terminal 1 transmits data to the base station 3. Upon normal receipt of data packets from the terminal 1, the base station 3 returns an ACK frame.

Please amend the heading at page 8, line 10 as follows:

SUMMARY OF THE INVENTION~~Disclosure of Invention~~

Please amend the heading at page 16, line 17 as follows:

BRIEF DESCRIPTION OF THE DRAWINGS~~Brief Description of Drawings~~

Please insert the following heading before page 18, line 12:

DETAILED DESCRIPTION

Please amend the paragraph at page 41, lines 9-15 as follows:

In step S41, the CPU 81 in the MAC control unit 62 or the CPU 121 in the MAC control unit 111 checks to determine whether or not to transmit data to the base station 3 based on the signal transmitted from the PDA 52 through the host interface unit 61. If it is determined in step S41 that no data is to be transmitted, then step S41 is repeated ~~unit~~ until it is deemed fit to transmit data.

Please amend the paragraph at page 43, line 11 to page 44, line 4 as follows:

If it is determined in step S42 that the data length of the transmitting data is not greater than the threshold value, then step S49 is reached. In step S49, the CPU 81 in the MAC control unit 62 or the CPU 121 in the MAC control unit 111 supplies the wireless frame composition/decomposition unit 82 with the data supplied from the PDA 52. The wireless frame composition/decomposition unit 82 turns the supplied data into wireless frames which are then modulated through OFDM by the

modulation unit 91 in the OFDM modem unit 63. The CPU 81 in the MAC control unit 62 controls the transmission unit 64 and power amplifier 65, or the CPU 121 in the MAC control unit 111 controls the transmission unit 64, the high-power amplifier 112 and the power switch 114, in such a manner as to amplify the transmitting OFDM data to a full-power ~~poser~~ data transmission level. The amplified data packets are transmitted to the base station 3 via the antenna switch 66 and antenna 67.

Please amend the paragraph at page 44, line 9 to page 45, line 1 as follows:

In the manner described above, if the length of the data to be transmitted is less than the predetermined value, the data packets are transmitted at full power without transmission and reception of RTS and CTS frames. This helps boost the throughput of data transmission and reception. If the length of the transmitting data is greater than the predetermined value, then RTS and CTS frames are transmitted and received in advance as described above with reference to FIG. 8. The terminal 2 receiving at least one of the RTS and CTS frames sets a transmission-prohibited interval as explained in reference to FIG. 12. Then the terminal 2 ~~3~~ will not transmit data to the base station 3 while the terminal 31 or 32 is transmitting data packets at low power. That is, the data transmitted by the terminal 31 or 32 at low power will not be disrupted by the terminal 2 attempting to transmit its own data.